



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

BIBDATASHEET

CONFIRMATION NO. 7213

Bib Data Sheet

SERIAL NUMBER 10/629,402	FILING DATE 07/28/2003 RULE	CLASS 318	GROUP ART UNIT 2837	ATTORNEY DOCKET NO. PANA-01066US2 SRM/TAW
-----------------------------	---------------------------------------	--------------	------------------------	--

APPLICANTS

Brian K. Tanner, San Jose, CA; /

** CONTINUING DATA *****

This appln claims benefit of 60/436,750 12/27/2002
Verified - pm

** FOREIGN APPLICATIONS *****

None - pm

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

** 10/23/2003

Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	STATE OR COUNTRY CA	SHEETS DRAWING 2	TOTAL CLAIMS 35	INDEPENDENT CLAIMS 8
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance	Verified and Acknowledged <i>Patricia M. ... pm</i> Examiner's Signature Initials			

ADDRESS

23910
 FLIESLER MEYER, LLP
 FOUR EMBARCADERO CENTER,
 SUITE 400
 SAN FRANCISCO , CA
 94111

TITLE

Apparatus for spindle bearing friction estimation for reliable disk drive startup

FILING FEE	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees
RECEIVED 1440		<input type="checkbox"/> 1.16 Fees (Filing)
		<input type="checkbox"/> 1.17 Fees (Processing Ext. of time)
		<input type="checkbox"/> 1.18 Fees (Issue)